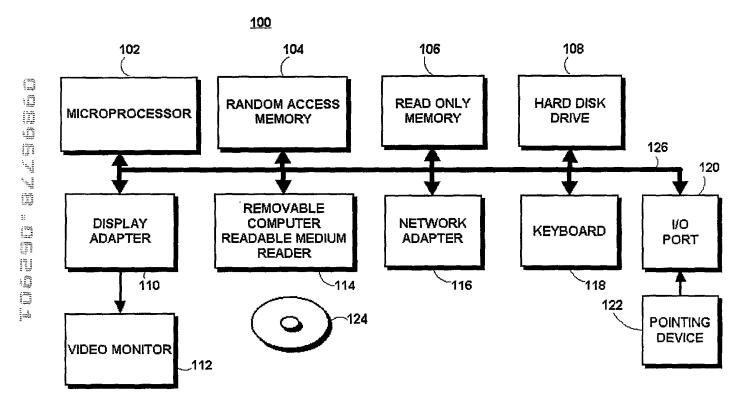
FIG. 1



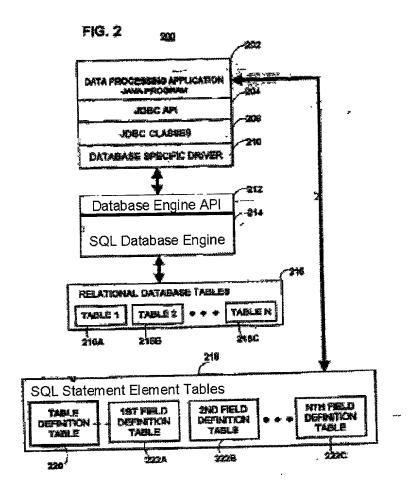
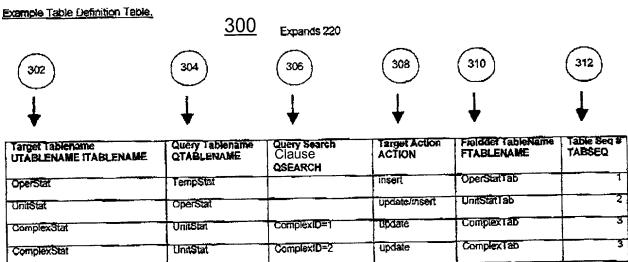
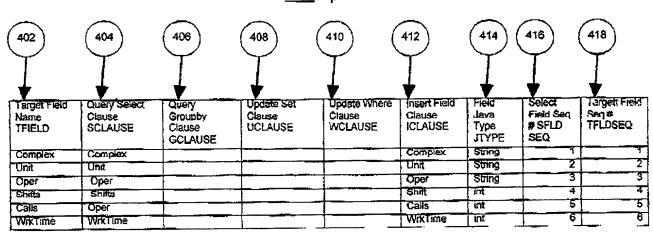


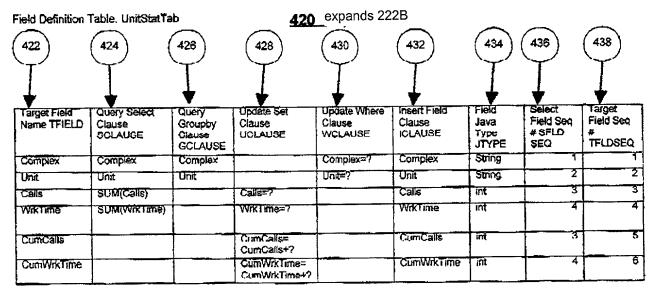
FIG. 3

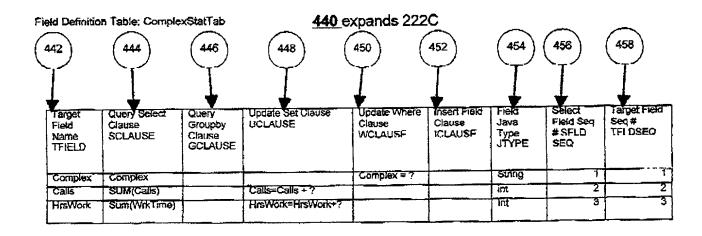


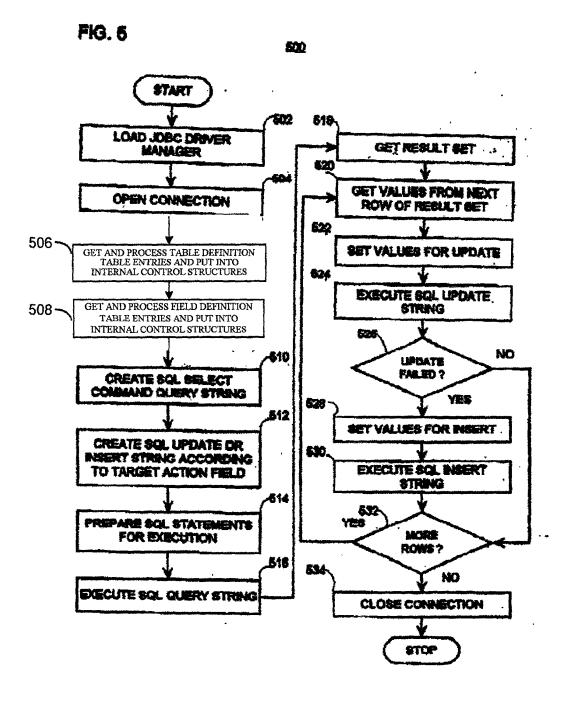
Field Definition Table: OperStat

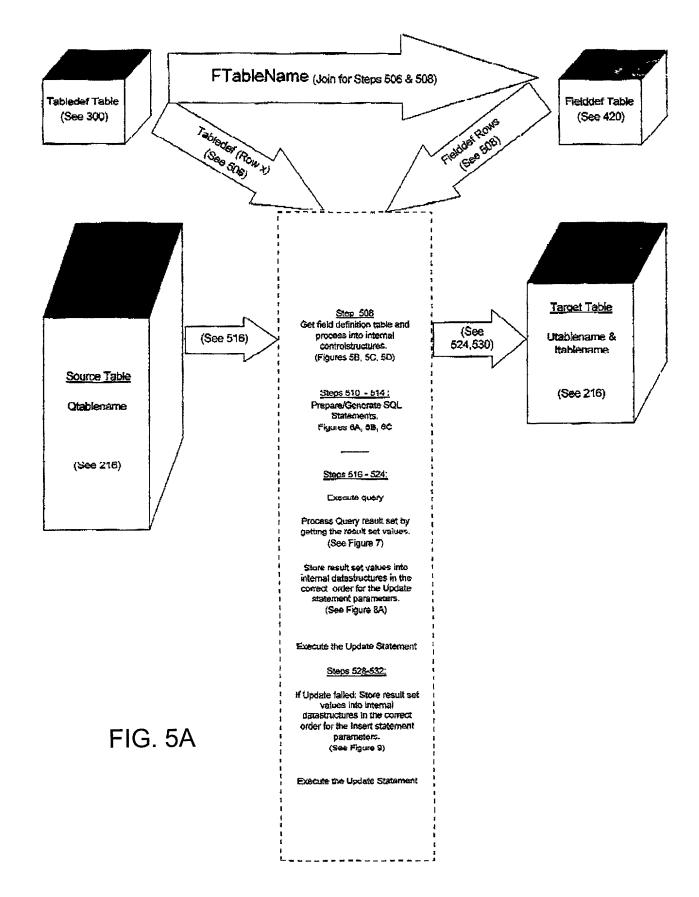
400 expands 222A

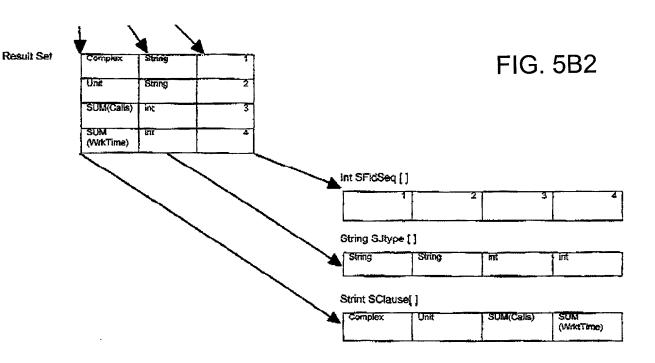








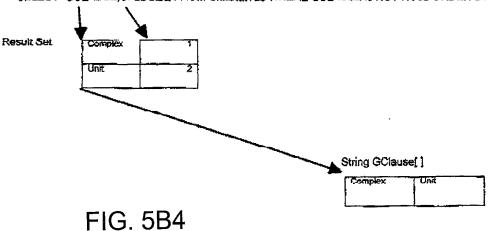




 SELECT GCLAUSE, SFLDSEQ FROM UnitStatTab WHERE GCLAUSE is NOT NULL ORDER 8Y SFLDSEQ

```
i = 1
While not end of resultset
{
// Get values from next row of resultset
GClause[i] = GetString [i] // get GCLAUSE
i++
}
Gsize=i-
```

SELECT GCLAUSE, SFLDSEQ FROM UnitStatTab WHERE GCLAUSE IS NOT NULL ORDER 8Y SFLDSEQ



Select UCLAUSE, JTYPE, SFLDSEQ, TFLDSEQ FROM UnitStatTab WHERE UCLAUSE is NOT NULL ORDER BY TFLDSEQ

```
i = 1

While not end of resultset

{

// Get values from next row of resultset

UClause[i] = GetString [1]

UJType[i] = GetString [2]

USFIdSeq[i] = GetInt [3]

UFidseq[i] = i

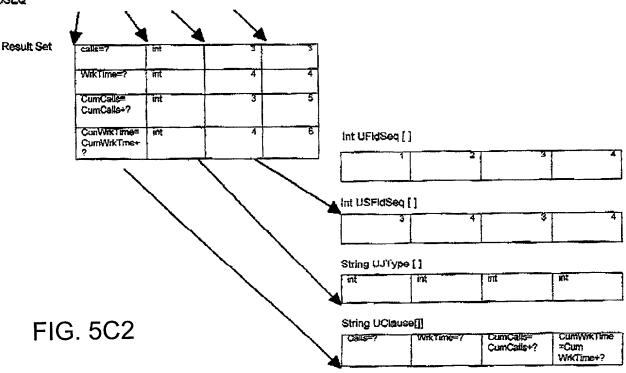
// reset sequence

i++

}

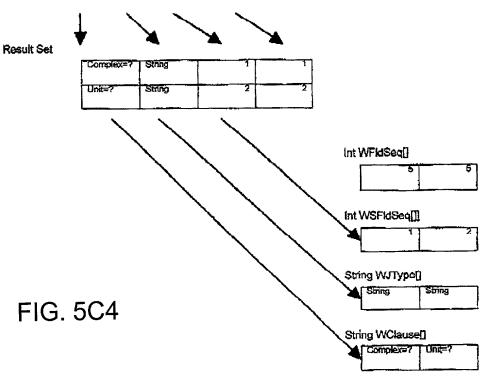
Usize = i-;
```

Select UCLAUSE, JTYPE, SFLDSEQ, TFLDSEQ FROM UnitStatTab WHERE UCLAUSE is NOT NULL ORDER BY TFLDSEQ



SELECT WCLAUSE, SFLDSEQ. TFLDSEQ FROM UnitStatTab WHERE WCLAUSE is NOT NULL ORDER BY TFLDSEQ

SELECT WCLAUSE, SFLDSEQ, TFLDSEQ FROM UnitStatTab WHERE WCLAUSE IS NOT NULL ORDER BY TELDSEQ



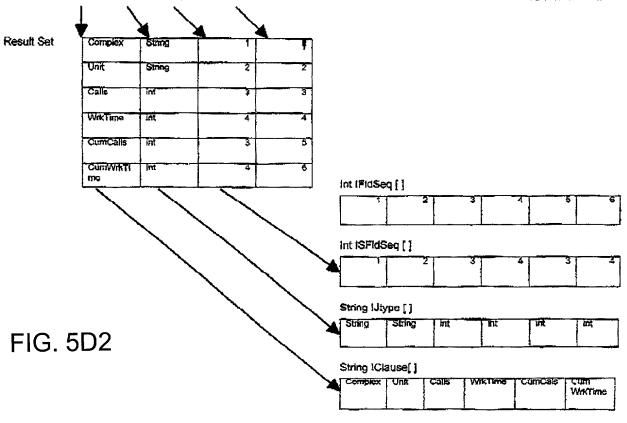
Man West Start Sta

The state of the s

Select ICLAUSE, JTYPE, SFLDSEQ, TFLDSEQ FROM UnitStatTab WHERE ICLAUSE is NOT NULL ORDER BY TFLDSEQ

```
i = 1
While not end of resultset
// Get values from next row of resultset
                                                       - 581
IClause[i] = GetString [1]
                                // get ICLAUSE -
IJType[i] = GetString [2]
                               // get JTYPE
ISFIdSeq[i] = Getint [3]
                               // get SFldSoq
                                                                         FIG. 5D1
|FldSeq|i| = i
                               // reset sequence
i++
}
Isize = i--:
```

Select ICLAUSE, JTYPE, SFLDSEQ, TFLDSEQ FROM UnitStatTab WHERE ICLAUSE is NOT NULL ORDER BY TFLDSEQ



Query Statement Syntax:

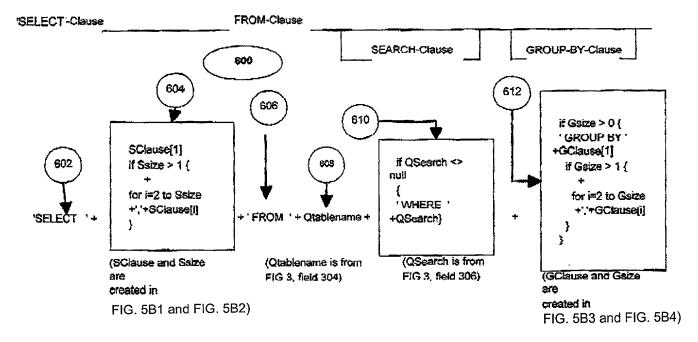


FIG. 6A1

Select Statement String which was built from 600 above.

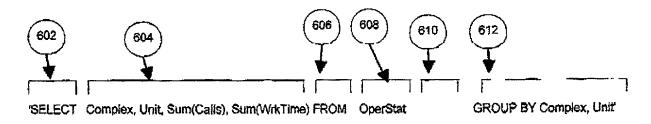


FIG. 6A2

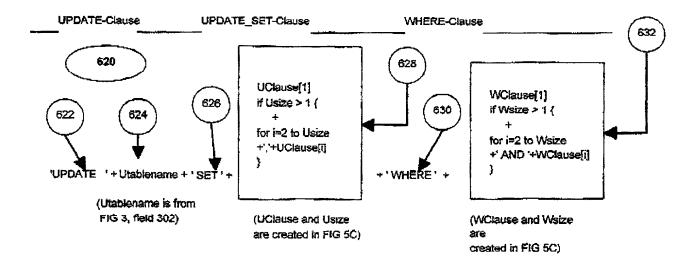
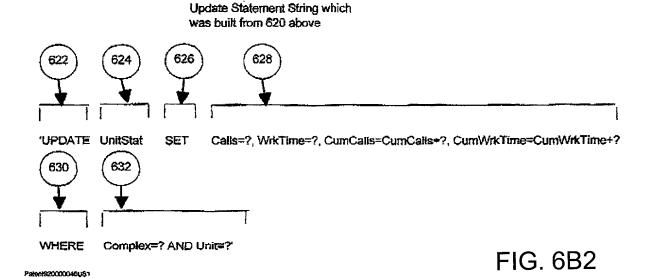


FIG. 6B1



Insert Statement Syntax:

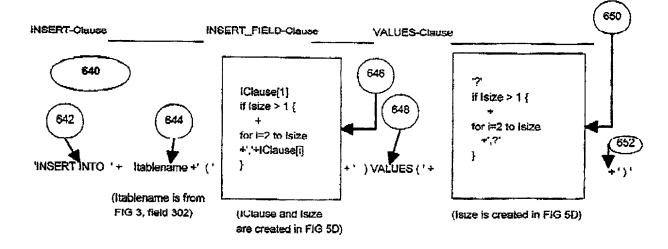


FIG. 6C1

Insert Statement String which was built from 640 above

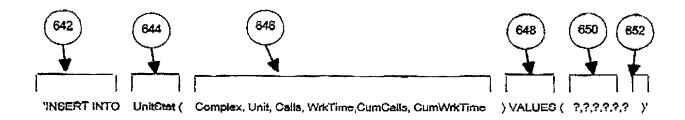
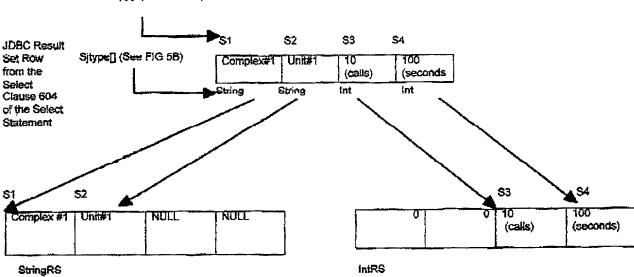


FIG. 6C2



Internal Data Structures

Fig. 7B

```
'UPDATE UnitStat SET Calls=?, WrkTime=?, CumCalls=CumCalls+?, CumWrkTime=CumWrkTime+?
U1 U2 U3 U4

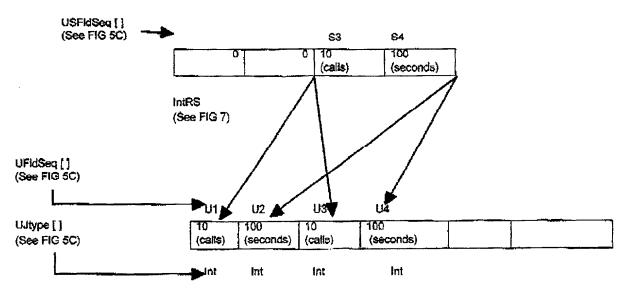
WHERE Complex=? AND Unit=?'
U5 U6
```

```
For i = 1 to Usize
{
    j= UFldSeq[i]
    k=USFldSeq[i]
    if UJType[i] = 'String'
        setString[ j ] = StringRS[k]
    else
        setInt[j] = IntRS[k]
}
```

FIG. 8A1

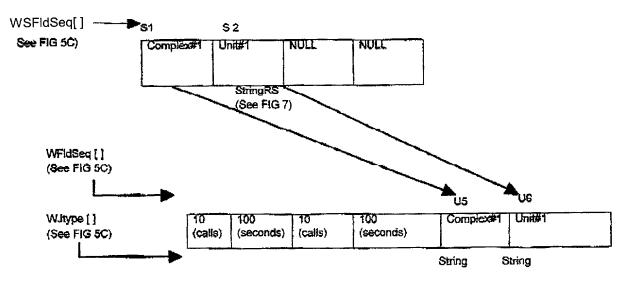
```
For i = 1 to Wsize
{
    j=WFldSeq[i]
    k=W$FldSeq[i]
    if WJType[i] = 'String'
        setString [j ] = StringRS[k]
    else
    sotInt [j] = IntRS [k]
}
```

FIG. 8A2



JDBC parameters for Update_Set Clause 528 of Update Statement

FIG. 8A3



JDBC parameters for Where Clause 632 of Update Statement

FIG. 8A4

'INSERT INTO UnitStat(Complex, Unit, Calls, WrkTime,CumCalls, CumWrkTime) VALUES (?,?,?,?,?,?)'

```
For i = 1 to Isize

{
    j=IFIdSeq[i]
    k=ISFIdSeq[i]
    it LIType[i] = 'String'
        setString[j] = StringRS[k]
    else
    setInt[j] = IntRS[k]
}
```

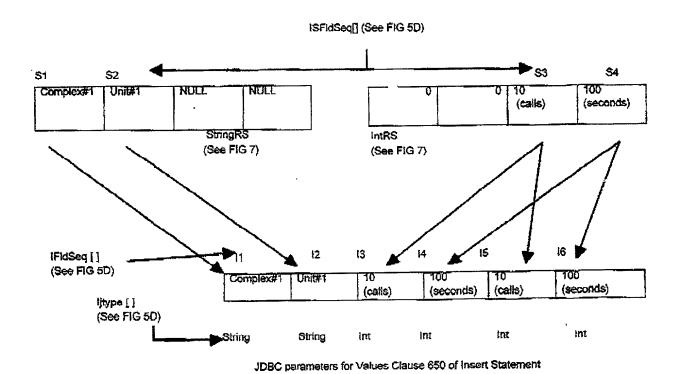


Fig. 9B